10

COUNTRY

U.S.A.

lease type a plus sign (+) inside this be

Approved use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. 1256-00721 | Total Pages First Named Inventor or Application Identifier Hector F. DeLuca

Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b) EL661051149US

S		appelication ELEMEN opter 600 concerning utility patent			אטנ		sioner for Patents ent Application gton, D.C. 20231	:	/815
				6.			puter Program (App	endix)	
1.	ĭ Fee Tra	ansmittal Form					. 3	/	
	(Submi	t an original, and a duplicate for fe	e processing)	7.	Nu	cleotide and/or A	mino Acid Sequenc	e Submis	ssion =
						applicable, all necessa	ary)		
2.	⊠ Specifi		20]		a.	☐ Computer R			
		d arrangement set forth below)			b.		(identical to comput		
		ptive title of the Invention	• .•				erifying identify of a		
		References to Related Appl					G APPLICATION		
		nent Regarding Fed sponsor		8.		Assignment Pap	ers (cover sheet & d	ocument	(s))
		nce to Microfiche Appendi	x						
		round of the Invention		9.			Statement Powe	r of Atto	rney
		Summary of the Invention	40.00			(when there is an ass	signee)		
		Description of the Drawings	(if filed)						
		ed Description	•	10.		English Translat	ion Document (if ap	plicable)	
	- Claim								
	- Abstra	ct of the Disclosure		_ 11.		Information Disc		pies of II	OS
_						Statement (IDS)	/PTO-1449 Ci	tations -	
3.	☐ Drawin	g(s) (35 USC 113) [Total S	heets]						
				12.		Preliminary Am	endment		
4.	Oath or De								
	a. □ Newly executed (original or copy)			13.	X		Postcard (MPEP 503	3)	
		py from a prior application		d))		(Should be specifica	lly itemized)		
	(for	continuation/divisional with Box [Note Box 5 below]			_				
	; 🗂 1	DELETION OF INVENTO		14.	П		Statement filed in p		
						Statement(s)	application, Status	still prop	er
Signed statement attached deleting inventor(s) named in the prior						and desired			
		application, see 37 CFR 1.6			_				
		1.33(b).	oo(u)(2) anu	15.			of Priority Document	t(s)	
		1.33(0).				(if foreign priority i	s claimed)		
5	□ Incom	poration Dy Deference (da if Day 4h ic		_	61 0 1	T	. 1	
5. Incorporation By Reference (useable if Box 4b is			16.	X	Other: Suppler	nent to Transmit	tal		
checked). The entire disclosure of the prior									
application, from which a copy of the oath or			rod					••••	
declaration is supplied under Box 4b, is considered as being part of the disclosure of the			rea						
accompanying application and is hereby incorporated by reference therein.									
17					د		ita in 6 ti		
17.		TINUING APPLICATION							
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /									
		1	8. CURRESP	ONDEN	CE	AUDKESS			
_	O4 3	James De Color I					[] 0 1		
Ш	Customer I	Number or Bar Code Label	Ingort Custom	No c= 44-	ach b	or anda label bara	or 🗵 Corresponde	ence addr	ess
					acii da	ar code label here	below.		
NA	AME	Thomas M. Wozny	(Reg. No. 2)	8,922)					
- '-		ANDRUS, SCEALE	S, STARKI	E & SA	ŴΑ	LL, LLP			
AΓ	DDRESS	100 East Wisconsin							
		Suite 1100			-			-	
Cľ	TY	Milwaukee		STATE	W	isconsin	ZIP CODE 5	53202-4	178

TELEPHONE Page 1 of 2

(414) 271-7590

Approved for use through 9/30/98
Patent and Trademark Office: U.S. Department of Commerce

PTO/SB/17	COMPLETE IF KNOWN					
1	Application Number					
FEE TRANSMITTAL	Filing	Filing Date H			Herein	
		amed In			Hector F. DeLuca	
	L	Art Unit			,	
T. 14 CD 1(0) 510.00	Examiner Name					
Total Amount of Payment (\$) 710.00	Attorney Docket Number 1			ег	1256-00721	
METHOD OF PAYMENT (check one)	ļ				EE CALCULATION (continued)	
The Commissioner is hereby authorized to charge indicated fees and credit any over		DITION		-		
payments to:	Large Fee	Enuty Fee	Small Fee	Entity Fee		
Deposit	Code		Code		Fee Description	Fee Paid
Account Number 01.2000	105	130	205	65	Surcharge - late filing fee or oath	
Deposit Account	127	50	203		Surcharge - late provisional filing fee	
Name ANDRUS, SCEALES, STARKE & SAWALL, LLP	120		100	120	or cover sheet	
X Charge any additional fee required under Set in 37 CFR 1.18	139 147	130 2,520	139 147		Non-English specification For filing a request for examination	
37 CFR 1.16 and 1.17	112	920*			Requesting publication of SIR prior to	-
the Notice of	113	1,840*	112	1 040*	Examiner action	
Allowance. 37 CFR 1.311(b)	'''	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
2. X Payment Enclosed:	.1.15	1.10	_215	55	Extension for response within first month	
Money Order Other	116	380	216		Extension for response within second month	
FEE CALCULATION (fees effective 10/01/96)	117	870	217	435	Extension for response within third month	
1. FILING FEE	118	1,360	218	680	Extension for response within fourth month	
Large Entity Small Entity Fee Fee Fee Fee Paid	128	1,850	228	925	Extension for response within fifth	
Fee Fee Fee Fee Description Paid Code (\$) Code (\$)	119	300	218	150	month Notice of Appeal	
101 710 201 355 Utility filing fee \$710.00	120	300	220		Filing a brief in support of an appeal	
106 320 206 160 Design filing fee	121 138	260 1,510	221 138		Request for oral hearing Petition to institute a public use	
107 490 207 245 Plant filing fee 108 710 208 355 Reissue filing fee		-,	150	•	proceeding	
114 150 214 75 Provisional filing	140	110	240	55	Petition to revive unavoidably abandoned application	
fee ————	141	1,210	241	605	Petition to revive unintentionally	
SUBTOTAL (1) (3) 710.00	1,42	1 240	2.42	(20	abandoned application	
2. CLAIMS Fee From Fee Paid	142 143	1,240 440	242 243		Utility issue fee (or reissue) Design issue fee	
below	144	580	244	290	Plant issue fee	
Total claims $7 - 20 = (13) \times =$	122	130	122		Petitions to the Commissioner	
Independent $1 - 3 = (2) \times = $	123	50	123	50	Petitions related to provisional applications	
Multiple Dependent X =	126	240	126	240	Submission of Information Disclos. Stmt.	
Claims	591	40	591	40	Recording each patent assignment per	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	146	710	246	355	property (times number of properties) Filing a submission after final rejection	
Fee Fee Fee Description Code (\$) Code (\$)	l				(37 CFR 1.29(a))	
103 18 203 9 Claims in excess of 20	149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
102 80 202 40 Independent claims in					()	
excess of 3 104 270 204 135 Multiple dependent claim 109 80 209 40 Reissue independent	Othe	r fee (sp	ecify)			
claims over original	Othe	r fee (sp	ecify)			
patent 110 18 210 9 Reissue claims in excess				Filing F	See Paid	
of 20 and over original patent					SUBTOTAL (3)	
SUBTOTAL (2) (\$)						
SUBMITTED BY	L		-		Complete (if applicable	:)
Typed or Printed Name Thomas M. Wozny					Registration Number 28,9	22
Signature Momas M. Noju	y Di	ate	3-23	3-01	Deposit Account User ID	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:)	CERTIFICATE OF EXPRESS MAILING	
)	I hereby certify that this correspondence	is
Hector F. DeLuca)	being deposited with the United States Posts	al
Neal A. Jorgenson)	Service with sufficient postage as EXPRES	S
Larry D. Satter)	MAIL in an envelope addressed to	o :
)	Commissioner of Patents Washington, D.C	
Filed Herein for:)	20231 on this 23 rd day of March, 2001. Th	ıe
)	Express Mail Label is EL661051149US.	
INCREASING PHOSPHORUS)	1	
UPTAKE FROM THE GUT OF)	i// //- O// 1	
DAIRY COWS BY)	March 23, 200	1
SUPPLEMENTING)	Dorothy A. Hauser Date	
1α-HYDROXYLATED VITAMIN D)		
COMPOUNDS)		

SUPPLEMENT TO TRANSMITTAL LETTER

Box: Patent Application Commissioner of Patents Washington, DC 20231

Sir:

This application is being filed pursuant to 35 USC §111 and 37 C.F.R. §1.53(b). The application includes the specification, at least one claim, and the filing fee. The Declaration is not included. The inventors are Hector F. DeLuca residing at 1809 Highway BB, Deerfield, Wisconsin 53531, Neal A. Jorgenson residing at 5979 Woodcreek Lane, Middleton, Wisconsin 53562 and Larry D. Satter residing at 2917 Pelham Road, Madison, Wisconsin 53713, all of which are United States citizens.

The Declaration will be forwarded promptly upon notification from the U.S. Patent and Trademark Office.

Please address all correspondence and telephone calls regarding this matter to:

Thomas M. Wozny
ANDRUS, SCEALES, STARKE & SAWALL, LLP
100 East Wisconsin Avenue, Suite 1100
Milwaukee, Wisconsin 53202
(414) 271-7590

Respectfully submitted,
ANDRUS, SCEALES, STARKE & SAWALL, LLP

Thomas M. Wozny

Reg. No. 28,922

Andrus, Sceales, Starke & Sawall, LLP 100 East Wisconsin Avenue, Suite 1100 Milwaukee, WI 53202 (414) 271-7590

Attorney Docket No.: 1256-00721

INCREASING PHOSPHORUS UPTAKE FROM THE GUT OF DAIRY COWS BY SUPPLEMENTING 1α -HYDROXYLATED VITAMIN D COMPOUNDS

Inventors:

Hector F. DeLuca

Neal A. Jorgenson

Larry D. Satter

Attorneys for Applicant:

Andrus, Sceales, Starke & Sawall, LLP 100 East Wisconsin Avenue, Suite 1100

Milwaukee, WI 53202-4178 Telephone: (414) 271-7590 Facsimile: (414) 271-5770

Attorney Docket No.: 1256-00721 WARF's Ref.: P00194US-D,J,S

Applicant: Hector F. De Luca et al



CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner of Patents and Trademarks, Washington D.C., 20231 on this 23rd day of March, 2001. The Express Label is EL661051149US.

Gody a Chuser	
Novy O'Xause	March 23, 2001
Oorothy A. Hauser	Date